

Amendments to the Claims

1-62. (Canceled)

63. (Previously amended) A method of providing programmable copy protection of a video signal demodulated from a transmitted signal via a digital delivery network, wherein one or more copy protection signal prevents copying and/or subsequent viewing of a recording of the video signal while allowing viewing of the video signal which includes the one or more copy protection signal, comprising:

generating a copy protection command having a mode control command and programmable configuration bit patterns indicative of respective one or more copy protection signals;

receiving the transmitted signal and the mode control command in at least one device coupled to the network; and

providing the one or more copy protection signal to the video signal to produce a copy protected video signal in the at least one device in response to one or more programmable configuration bit pattern selected by the mode control command, to prevent said copying or subsequent viewing of the recording of the copy protected video signal, wherein the copy protected video signal is viewable.

64. (Previously amended) The method of claim 63 including:

applying the transmitted copy protection signal to the video signal in response to the one or more programmable configuration bit pattern selected by the mode control command.

65. (Previously amended) The method of claim 63 including:

storing the one or more copy protection signal in the at least one device; and

recovering the one or more copy protection signal from storage and applying the recovered one or more copy protection signal to the video signal in response to the one or more programmable configuration bit pattern selected by the mode control command.

66. (Previously amended) The method of claim 63 wherein:

said copy protection command includes the programmable configuration bit patterns indicative of a plurality of copy protection signals; and

wherein two or more copy protection signals are applied to the video signal in response to respective programmable configuration bit patterns selected by the mode control command.

67. (Previously amended) The method of claim 63, including:
storing said one or more copy protection signal in the at least one device;
recovering the one or more copy protection signal from storage in response to one or more programmable configuration bit pattern selected by the mode control command; and
applying the one or more copy protection signal to the video signal to modify the video signal such that the copy protected video signal is viewable but uncopyable.

68. (Previously amended) The method of claim 63 wherein the mode control command and the programmable configuration bit pattern each comprise one or more bit.

69. (Previously amended) The method of claim 63, wherein the copy protection command includes a bit pattern for on/off/mode control and a multiple bit pattern which defines the programmable configuration bit patterns wherein the configuration bit patterns identify respective signals of the one or more copy protection signal.

70. (Previously amended) A system for controlling programmable copy protection of a video signal demodulated or derived from a transmitted signal via a digital delivery network, wherein a service provider enables providing one or more copy protection signal to the video signal which prevents unauthorized copying or subsequent viewing of a recording of the video signal, the system comprising:

a copy protection command having a mode control command of one or more bit included with the transmitted signal, and a programmable configuration bit pattern indicative of the one or more copy protection signal; and

a device for applying the one or more copy protection signal to the video signal to produce a copy protected video signal in response to a corresponding programmable configuration bit pattern selected by the transmitted mode control command, to prevent copying or subsequent viewing of the recording of the copy protected video signal, wherein the copy protected video signal is successfully watchable.

71. (Previously presented) The system of claim 70 wherein the one or more copy protection signal is transmitted to the device.

72. (Previously presented) The system of claim 70 wherein the one or more copy protection signal is stored in the device.

73. (Previously amended) The system of claim 70 wherein:
the programmable configuration bit pattern determines one or more programmable operating configuration corresponding to the one or more copy protection signal;
the transmitted signal is provided by a service provider, and wherein the transmitted signal provides the programmable configuration bit pattern; and
the device selectively applies the one or more programmable operating configuration to the video signal in response to the mode control command.

74. (Previously amended) A method of providing programmable copy protection of a video signal derived from a transmitted signal to devices via a digital delivery network, wherein one or more programmable copy protection signal provided to the video signal produces a copy protected video signal which prevents copying or subsequent viewing of a recording of the copy protected video signal while allowing watching of the copy protected video signal, comprising:

receiving the transmitted signal and a copy protection command at one or more of the device, which copy protection command is indicative of the one or more programmable copy protection signal to be applied to the video signal;

wherein the copy protection command includes a mode control command and one or more programmable configuration bit pattern indicative of the one or more copy protection signal; and

applying the one or more copy protection signal to the video signal to produce the copy protected video signal in response to the programmable configuration bit pattern selected by the mode control command in the one or more device, to prevent unauthorized copying or subsequent viewing of the copy protected video signal, wherein the copy protected video signal is viewable.

75. (Previously presented) The method of claim 74 wherein the one or more copy protection signal is received by the one or more device.

76. (Previously presented) The method of claim 74 wherein the one or more copy protection signal is stored in the one or more device.

77. (Previously amended) The method of claim 74 wherein:
the one or more copy protection signal comprises a plurality of different copy protection configurations;

the programmable configuration bit pattern comprises a plurality of bit patterns corresponding to respective copy protection configurations to be applied to the video signal; and
the selected copy protection configuration, or configurations, is applied to the video signal in response to the programmable configuration bit pattern as enabled by the mode control command.

78. (Previously amended) The method of claim 63 wherein the one or more copy protection signal comprises a plurality of copy protection signals, and wherein each signal of the plurality of copy protection signals is identified by a corresponding programmable configuration bit pattern which is selectable by the mode control command.

79. (Previously amended) The method of claim 63 wherein the one or more copy protection signal include one or more of the following; vertical blanking interval (VBI) pulses On/Off, end of field back porch pulses On/Off, color stripe process On/Off, automatic gain control (AGC) pulse normal (amplitude cycling) or static mode select, H sync amplitude reduction On/Off, V sync amplitude reduction On/Off.

80-92. (Cancelled)

93. (Withdrawn) A method of delivering data to one or more devices that process signals, said devices being located in one or more sites, wherein each site communicates with a central system which includes a rights holder or service provider, comprising:

providing a portable media that includes data to the one or more sites or to the one or more devices;

receiving information from the one or more sites that includes identification data provided by said central system, wherein the information is received via a communication link that includes a phone line, a satellite link, an optical signal link, and or a wireless microwave link; and

wherein said central system sends a compressed data signal to the one or more sites after receiving the information from the one or more sites.

94. (Withdrawn) The method of claim 93 wherein the devices include a programmable copy protection process.

95. (Withdrawn) An apparatus for delivering data to one or more devices that process signals, said devices being located in one or more sites, wherein each site communicates with a central system which includes a rights holder or service provider, comprising:

a portable media memory store that provides data to the one or more sites or to the one or more said devices;

wherein the one or more remote sites provide information that includes identification data provided by said central system, wherein the information is received via a communication link that includes a phone line, a satellite link, an optical signal link, and or a wireless microwave link; and

wherein said central system sends a compressed data signal to the one or more sites after receiving the information from the one or more sites.

96. (Withdrawn) The apparatus of claim 95 wherein the devices include circuitry for providing a programmable copy protection process.

97. (Cancelled)

98. (Withdrawn) The apparatus of claim 97 wherein:

the received digital signal is a video signal or an image signal;

wherein the receiver includes one or more of the following conditions:

the receiver includes one or more application program interface (API);

the receiver provides usage data or billing information to the service provider;

the receiver is coupled to a phone line, RF signal, microwave, a satellite transmission, and or optical link;

the receiver is a bidirectional device, capable of receiving data and or sending data;

the receiver provides control of a program signal that includes the transaction of recording not permitted, and or recording permitted at a higher transaction cost.

99-117. (Cancelled)

118. (Withdrawn) An apparatus for processing an analog video signal, comprising:
an input for supplying an analog video signal to an analog to digital converter and to an analog copy protection signal detector;

wherein the signal detector detects at least part of a copy protection signal; and

wherein the analog to digital converter converts the analog video signal to a digital video signal which may include an anti-copy bit;

wherein the digital video signal subsequently is supplied to a CPU and a memory having software programs, whereupon the CPU runs one or more of the software programs.

119. (Withdrawn) A method of processing an analog video signal, comprising:
supplying an analog video to an analog to digital converter;
supplying the analog video signal to an analog copy protection signal detector for detecting at least part of a copy protection signal; and

converting the analog video signal to a digital video signal via the analog to digital converter to provide a digital video signal which may include an anticopy bit;

wherein the digital video signal subsequently is supplied to a CPU and a memory having software programs, whereupon the CPU runs one or more of the software programs.

120. (Withdrawn) A wireless apparatus for processing images, video signals, or audio signals, wherein the apparatus may include an imbedded integrated circuit, the apparatus comprising:

circuitry for providing copy protection signals;

a digital signal decompressor system or circuit;

one or more software applications;

one or more memory system or circuit; and

a video encoder circuit;

wherein the circuits are imbedded in the apparatus or in the integrated circuit; and

wherein the copy protection circuitry may be activated or deactivated.

121. (Withdrawn) The wireless apparatus of claim 120 including an MPEG decoder circuit, electronic programming guide, conditional access system, and or microprocessor.

122. (Withdrawn) The wireless apparatus of claim 120 wherein the wireless device communicates in a uni-directional or bi-directional manner with a service provider, satellite company, microwave company, cable company, and or telephone company.

123. (Withdrawn) The wireless apparatus of claim 120 wherein selected program material is charged on a transaction basis to the customer.

124. (Withdrawn) The wireless apparatus of claim 120 wherein the copy protection circuitry may provide one or more of the following: a reserved bit, VBI pulses on/off, end of field back porch pulses on/off, color stripe process on/off, automatic gain control (AGC) pulses on/off, AGC amplitude cycling/static mode, H sync reduction on/off, and or V sync amplitude reduction on/off.